

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1319191

Luminaire Tested: LDSQA3D13R159835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159835DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

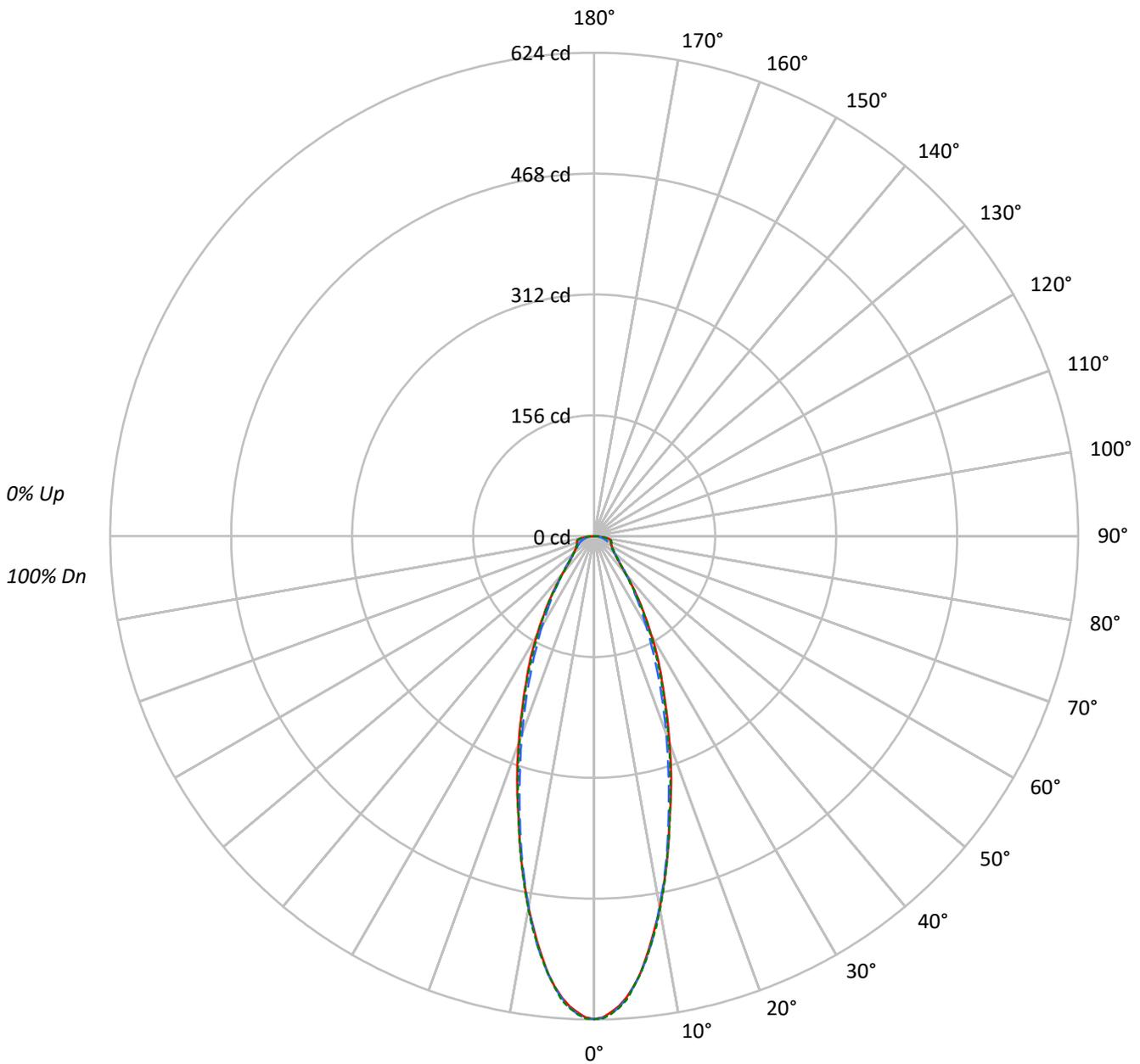
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 418.0 lumens  
Efficiency: N/A  
Efficacy: 28.8 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	107381	107381	107381
5°	100858	100980	100980
10°	85201	84921	85464
15°	67004	66059	67129
20°	52069	49704	51372
25°	39298	36561	38727
30°	29233	26668	28617
35°	20856	19427	20541
40°	14141	14299	13961
45°	10522	11082	10522
50°	9136	9136	9136
55°	8858	8407	8858
60°	9128	8336	8887
65°	9862	8639	9862
70°	11833	8762	11833
75°	15105	9050	15105
80°	18745	9720	18051
85°	15018	8892	16401

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 18745 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.6	12.6
10°-20°	104.0	24.9
20°-30°	91.9	22.0
30°-40°	60.4	14.4
40°-50°	35.3	8.4
50°-60°	26.0	6.2
60°-70°	22.1	5.3
70°-80°	18.2	4.4
80°-90°	7.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	248.4	59.4
0°-40°	308.8	73.9
0°-60°	370.0	88.5
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	583	583	584	585	584	52
15°	376	376	370	375	376	105
25°	207	200	192	198	204	96
35°	99	96	92	95	98	63
45°	43	44	46	44	43	35
55°	30	29	28	29	30	27
65°	24	22	21	22	24	24
75°	23	17	14	17	23	23
85°	8	8	4	8	8	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	623.5	623.5	623.5	623.5	623.5
1°	621.3	622.0	622.0	622.8	622.8
2°	615.2	616.7	617.5	617.5	617.5
3°	607.6	608.4	609.1	609.9	609.9
4°	597.0	597.8	597.8	599.3	600.0
5°	583.4	583.4	584.1	584.9	584.1
6°	567.5	567.5	568.2	568.2	568.2
7°	548.5	549.3	550.0	550.8	550.0
8°	528.1	528.8	531.1	531.1	530.3
9°	507.6	508.4	508.4	510.6	510.6
10°	487.2	487.2	485.6	487.2	488.7
12.5°	431.8	431.1	428.8	431.1	432.6
15°	375.8	375.8	370.5	375.0	376.5
17.5°	330.3	323.5	318.2	322.8	326.5
20°	284.1	277.3	271.2	275.8	280.3
22.5°	242.4	237.1	229.6	234.1	239.4
25°	206.8	200.0	192.4	197.7	203.8
27.5°	177.3	168.2	160.6	166.7	172.0
30°	147.0	140.9	134.1	138.6	143.9
32.5°	121.2	116.7	111.4	115.2	119.7
35°	99.2	95.5	92.4	94.7	97.7
37.5°	79.6	78.0	76.5	77.3	77.3
40°	62.9	63.6	63.6	63.6	62.1
42.5°	51.5	52.3	53.8	52.3	51.5
45°	43.2	43.9	45.5	43.9	43.2
47.5°	37.9	38.6	39.4	37.9	37.9
50°	34.1	34.1	34.1	34.1	34.1
52.5°	31.8	31.1	31.1	31.1	31.8
55°	29.5	28.8	28.0	28.8	29.5
57.5°	27.3	26.5	25.8	26.5	27.3
60°	26.5	25.0	24.2	25.0	25.8
62.5°	25.0	23.5	22.7	23.5	25.0
65°	24.2	22.0	21.2	22.0	24.2
67.5°	23.5	20.5	18.9	20.5	23.5
70°	23.5	18.9	17.4	19.7	23.5
72.5°	22.7	18.2	15.2	18.2	22.7
75°	22.7	16.7	13.6	17.4	22.7
77.5°	21.2	15.2	11.4	15.9	21.2
80°	18.9	13.6	9.8	14.4	18.2
82.5°	13.6	11.4	7.6	11.4	13.6
85°	7.6	8.3	4.5	7.6	8.3
87.5°	0.8	2.3	1.5	4.5	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)